

1. Pandas sleep about 12 hours each day. Which of the following can be used to find the best estimate of the number of hours a panda sleeps in 38 days? (3-2)

A  $15 \times 40$   
B  $10 \times 30$   
C  $10 \times 35$   
**D**  $10 \times 40$

2. What number makes the number sentence true? (3-1)

$$(5 \times 7) \times 4 = 5 \times (7 \times \underline{\quad})$$

**A** 4  
B 7  
C 28  
D 35

3. Karen had \$50 to spend at the mall. She spent \$15.00 on a skirt. During lunch Karen bought a hamburger and drink for \$5.75. How much money did Karen have left to spend after lunch? (3-7)

A \$15.75  
B \$21.75  
**C** \$29.25  
D \$39.25

4. The Lopez family puts together a 3,250-piece puzzle each week. How many puzzles will the family put together in 132 weeks? (3-5)

A 464,640  
**B** 429,000  
C 423,060  
D 40,625

5. A box of cereal costs \$4. The table shows the sales of that cereal by a grocery store. What was the total value of the sales in Week 4? (3-3)

| Week | Boxes of Cereal Sold |
|------|----------------------|
| 1    | 345                  |
| 2    | 542                  |
| 3    | 354                  |
| 4    | 365                  |
| 5    | 331                  |

A \$1,324  
B \$1,416  
C \$1,424  
**D** \$1,460

6. Mr. Semel travels 26 miles to school and 26 miles back to his house each day. Which of the following is the best estimate of how many miles he travels in 31 days? (3-2)
- ☒ A 1,500  
☐ B 1,250  
☐ C 900  
☐ D 750
7. Ellen can type 106 words per minute. If she types 4.5 hours a day for 7 days, she will type 1,890 minutes. Which of the following is the best estimate of the number of words she can type in 1,890 minutes? (3-5)
- ☐ A 220,000  
☒ B 200,000  
☐ C 180,000  
☐ D 20,000
8. Blue Canyon, California has an average snowfall of 240 inches per year. How many inches of snow would this location expect to receive in 7 years? (3-3)
- ☐ A 2,880  
☐ B 2,400  
☒ C 1,680  
☐ D 1,480
9. Kirby eats 145 almonds every week. How many almonds does she eat in 22 weeks? (3-4)
- ☐ A 319  
☒ B 3,190  
☐ C 3,380  
☐ D 3,750
10. Which of the following is the best estimate of  $4 \times 27 \times 9$  using compatible numbers? (3-2)
- ☐ A 1,500  
☐ B 1,080  
☒ C 1,000  
☐ D 750
11. Marcus bought a movie ticket for \$8 and popcorn for \$4. Which of the following is a way to find how much change he would get from \$20? (3-7)
- ☒ A Subtract the sum of 8 and 4 from 20  
☐ B Add 8 to the difference of 20 and 4  
☐ C Add 20 to the difference of 8 and 4  
☐ D Subtract 8 from the sum of 4 and 20

**12.** What is  $39 \times 3,075$ ? (3-4)

**A** 144,495

**B** 119,925

**C** 117,185

**D** 36,900

**13.** Which of the following is equal to  $7^5$ ? (3-6)

**A**  $7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7$

**B**  $5 \times 5 \times 5 \times 5 \times 5$

**C**  $7 \times 7 \times 7 \times 7 \times 7$

**D**  $7 \times 5$

**14.** Eight boxes with 3 books in each box is the same amount as 3 boxes with 8 books in each box. Which property of multiplication does this represent? (3-1)

**A** Associative

**B** Identity

**C** Zero

**D** Commutative

**15.** A jewelry box has a volume of  $3^3$  cubic inches. Which of the following is equal to  $3^3$ ? (3-6)

**A** 6

**B** 9

**C** 27

**D** 81